EDOS_IRD_FPRS_LINK_CORRECTIONS

EDOS- FOS	
4.1.1.1 interface with the EOC to transfer real-time return link data, rate buffered data, Operations Management Data, Mission Test Data Sets, and Operations Management Test Data Sets. EOSD16 O interface with the EOC to transfer real-time return link data, rate buffered data, Operations Management Data, Mission Test Data Sets, and Operations Management Test Data Sets. EOSD16 interface FOS/CS The ECS elements that interface with EDOS elements shall exchange element level status	
4.1.1.1 interface with the EOC to transfer real-time return link data, rate buffered data, Operations Management Data, Mission Test Data Sets, and Operations Management Test Data Sets. EOSD16 O interface interface with the EOC to transfer real-time return link data, rate buffered data, Operations Management Data, Mission Test Data Sets, and Operations Management Test Data Sets. EOSD16 interface FOS/CS The ECS elements that interface with EDOS elements shall exchange element level status	
4.1.1 EOC to transfer real-time return link data, rate buffered data, Operations Management Data, Mission Test Data Sets, and Operations Management Test Data Sets. EOSD16 interface FOS/CS MS EOSD16 interface of MS Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality. The ECS elements that interface with EDOS elements shall exchange element level status	
time return link data, rate buffered data, Operations Management Data, Mission Test Data Sets, and Operations Management Test Data Sets. EOSD16 interface O0 interface WS Interface O0 interface In	
rate buffered data, Operations Management Data, Mission Test Data Sets, and Operations Management Test Data Sets. EOSD16 O0 interface interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality. EOSD16 MS The ECS elements that interface with EDOS elements shall exchange element level status	
Operations Management Data, Mission Test Data Sets, and Operations Management Test Data Sets. EOSD16 O interface MS the forward and return link data communications needed to achieve full end-to-end ECS functionality. FOS/CS MS The ECS elements that interface with EDOS elements shall exchange element level status	
Management Data, Mission Test Data Sets, and Operations Management Test Data Sets. EOSD16 00 interface MS return link data communications needed to achieve full end-to-end ECS functionality. FOS/CS MS The ECS elements that interface with EDOS elements shall exchange element level status	
Mission Test Data Sets, and Operations Management Test Data Sets. EOSD16 interface 00 interface MS EDOS The ECS elements that interface with EDOS elements shall exchange element level status	
Sets, and Operations Management Test Data Sets. EOSD16 00 interface MS needed to achieve full end-to-end ECS functionality. FOS/CS MS The ECS elements that interface with EDOS elements shall exchange element level status	
Management Test Data Sets. EOSD16 interface 00 interface MS The ECS elements that interface with EDOS elements shall exchange element level status	
Data Šets. EOSD16 interface FOS/CS The ECS elements that interface with EDOS elements shall exchange element level status	
EOSD16 interface FOS/CS The ECS elements that interface with EDOS elements shall exchange element level status	
00 MS that interface with EDOS elements shall exchange element level status	
EDOS elements shall exchange element level status	
shall exchange element level status	
element level status	
data with EDOS.	
EOC- functiona FOS The EOC shall	
5030 1 provide the	
capability to receive	
and process, non-	
telemetry data,	
which includes at a	
minimum the	
following:a.Message	
s from the	
NCCb.Monitor	
blocks from the	
DSN, GN, and	
WOTSc.Status	
messages from	
EDOS	
ICC- functiona FOS The ICC shall	
capability to accept	
CCSDS packets	
from EDOS	
containing at a	
minimum the	
following data	
types:a.Spacecraft	
and instrument	
housekeeping	
engineering data or	
engineering data or	
instrument science	
data within which	
instrument	
engineering data is	
embeddedc.Instrume	
nt memory dump	
data data	

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			EOSD00	operation		ECS shall use and
			15	al	PS	support the Deep
						Space Network
						(DSN), the Ground
						Network (GN), and
						the Wallops Orbital
						Tracking Station
						(WOTS), via the
						EDOS/Ecom/Nasco
						m interface, as
						backup of the SN, to
						obtain forward and
						return link data
						communications.
			EOC-	functiona	FOS	The EOC shall
			5010	1	105	receive from EDOS
			3010	1		the following
						telemetry data types
						in CCSDS packets
						containing:a.Real-
						time spacecraft and
						instrument
						housekeeping data
						including instrument
						and spacecraft
						housekeepingb.
						Spacecraft recorder
						housekeeping datac.
						SCC memory dump
						data
			EOC-	functiona	FOS	The EOC shall
			0040	1		interface with EDOS
						for coordinating
						EDOS-provided
						services required by
						the EOC.
			ICC-	functiona	FOS	The ICC shall
			4095	1	100	provide the
			1023	1		capability to receive
						and process, non-
						telemetry data,
						which includes at a
						minimum the
						following:a.Monitor
						blocks from the
						DSN, GN, and
						WOTSb.Status
						messages from
<u> </u>			100		FOG	EDOS
			ICC-	functiona	FOS	The ICC shall
			0055	1		interface with EDOS
						for coordinating
						EDOS-provided
						services (e.g., data
						delivery service
						messages, status).
		· · · · · · · · · · · · · · · · · · ·	EOSD16	interface	FOS/CS	ECS elements shall
			05		MS	receive from EDOS
						telemetry data,
						including
						housekeeping,
			l			engineering,
			l			
						ancillary, and science
						ancillary, and science
						ancillary, and science data from EOS
						ancillary, and science

				EOSD00	operation		ECS shall use and
1				20	al	PS/CSM	support the
						S	EDOS/Ecom
							interface to obtain
							the data capture, data
							archival, and data
							distribution services
							needed to achieve
							full end-to-end ECS
77.00	700.					00110	functionality.
EDOS-	FOS	The DIF shall	Applicabl	ESN-	functiona	CSMS	The ESN shall
4.1.1.10	CSMS	conform to GOSIP	e	1340	1		provide support for
<u>A.1.8</u>		and Internet protocol	Docume				TCP/IP
		standards for	nts:2.U.S				communications
		communications	. Dept. of				protocols and
		services as specified	Commer				services to external
		in Applicable	ce/Nation				interfaces as required
		Documents 2, 3,4, 5,	al Bureau				by the IRDs.
		and 6 for the	of				
		delivery of real-time	Standard				
		data.	s FIPS				
			Publicati				
			ons 146-				
1			1,				
			GOSIP,				
			3 April				
			19913.R				
			FC 791,				
			Internet				
			Protocol:				
			DARPA				
			Internet				
			Program				
			Protocol				
			Specificat				
			ion,				
			Septemb				
			er				
			19814.Int				
			ernet				
			Control				
			Message				
			Protocol,				
			RFC				
			792,				
			Septemb				
			er				
			19815.Fil				
			e				
			Transfer				
			Protocol,				
1			RFC,				
			959,				
			October				
			19856.U				
			ser				
			Datagra				
			m				
			Protocol,				
			RFC				
			768,				
			August				
			1980				
	<u> </u>		1700	<u> </u>			

EDOC	EOCT	The DIE shall	A mali as 1-1	ECM	function -	CCMC	The ECM shall
EDOS-	FOS	The DIF shall	Applicabl		functiona	CSMS	The ESN shall
4.1.1.11	CSMS	conform to GOSIP	e D	1340	1		provide support for
<u>A.1.9</u>		and Internet protocol	Docume				TCP/IP
		standards for	nts:2.U.S				communications
		communications	. Dept. of				protocols and
		services as specified	Commer				services to external
		in Applicable	ce/Nation				interfaces as required
		Documents-2, 3,4, 5,	al Bureau				by the IRDs.
		and 6 to provide	of				
		guaranteed data	Standard				
		delivery for the	s FIPS				
		following data	Publicati				
		types:a.CODA	ons 146-				
		reportsb.TSS	1,				
		Summary	GOSIP,				
		Reportsc.QDS	3 April				
		Delivery	19913.R				
		Recordsd.Service	FC 791,				
		Request	Internet				
		Dispositions	Protocol:				
			DARPA				
			Internet				
			Program				
			Protocol				
			Specificat				
			ion, Septemb				
			-				
			er 19814.Int				
			ernet				
			Control				
			Message				
			Protocol,				
			RFC				
			792,				
			Septemb				
			er				
			19815.Fil				
			e				
			Transfer				
			Protocol,				
			RFC,				
			959,				
			October				
			19856.U				
			ser				
			Datagra				
			m				
			Protocol,				
			RFC				
			768,				
			August				
			1980				

EDOS- 4.1.1.12 A.1.10	FOS	The DIF shall provide the capability to receive status data from the EOC as specified in Applicable Document 1, including but not limited to the following:a. Verificat ion of QDSs deliveredb. Verification of TSS Summary Reports delivered	e Docume nts:1.GS FC/MO &DSD, 560-EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOSD16 00		FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
EDOS- 4.1.1.13 A.1.11	FOS	The DIF shall provide the capability to receive Service Requests from the EOC as specified in Applicable Document 1.	Applicabl e Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOC- 8020	functiona 1	FOS	The EOC shall participate in the scheduling of interface and end-to-end tests with the external elements involved, including the ICCs, the spacecraft simulator(s), the SMC for other EOS elements, and EDOS for MO&DSD data delivery systems.
			1772	ICC- 0055	functiona 1	FOS	The ICC shall interface with EDOS for coordinating EDOS-provided services (e.g., data delivery service messages, status).
				ICC- 6010	functiona 1		The ICC shall participate in the scheduling of interface and end-to-end tests with the external elements involved including the EOC, the SMC for other EOS elements, and EDOS for MO&DSD data delivery systems.
				EOC- 0040	functiona 1	FOS	The EOC shall interface with EDOS for coordinating EDOS-provided services required by the EOC.

EDOS-	FOS	The DIF shall	Applicabl		functiona	CSMS	The ESN shall	
4.1.1.14	CSMS	conform to GOSIP	e Doguma	1340	1		provide support for TCP/IP	
<u>A.1.12</u>		and Internet protocol standards for	Docume nts:2.U.S				communications	
		communications	. Dept. of				protocols and	
		services as specified in Applicable	Commer ce/Nation				services to external interfaces as required	
		Documents 2, 3, 4,	al Bureau				by the IRDs.	
		5, and 6 to provide	of					
		receipt for the following data	Standard s FIPS					
		types:a.status	Publicati					
		datab.Service Requests	ons 146- 1,					
		Requests	GOSIP,					
			3 April					
			19913.R FC 791,					
			Internet					
			Protocol: DARPA					
			Internet					
			Program					
			Protocol Specificat					
			ion,					
			Septemb er					
			19814.Int					
			ernet Control					
			Message					
			Protocol,					
			RFC 792,					
			Septemb					
			er 19815.Fil					
			e					
			Transfer Protocol,					
			RFC,					
			959, October					
			19856.U					
			ser					
			Datagra m					
			Protocol,					
			RFC 768,					
			August					
EDOS-	FOS	The DIF shall	1980	EOSD00	operation	FOS	ECS shall use and	
4.1.1.2	rus	interface with the		10	al	ros	support the Space	
4.1.2		EOC to receive real-					Network (SN), via	
		time forward link data, Operations					the EDOS/Ecom interface, to obtain	
		Management Data,					the forward and	
		Mission Test Data Sets, and Operations					return link data communications	
		Management Test					needed to achieve	
		Data Sets.					full end-to-end ECS	
	<u> </u>			EOC-	functiona	FOS	functionality. The EOC shall	
				0040	1		interface with EDOS	
							for coordinating EDOS-provided	
							services required by	
]						the EOC.	

	1		FORBOS		EOG /GE	EGG 1 11 1	
			EOSD00 15	operation al	FOS/SD PS	ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the EDOS/Ecom/Nasco m interface, as backup of the SN, to obtain forward and return link data	
						communications.	
			ICC- 0055	functiona 1	FOS	The ICC shall interface with EDOS for coordinating EDOS-provided services (e.g., data delivery service massages state)	
						messages, status).	
			EOC- 4005	functiona l	FOS/CS	The EOC shall be capable of transmitting commands to the EOS spacecraft via EDOS using the:a.SNb.GN, DSN, WOTS (for contingency or emergency operations)	
			00		MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	
EDOS- 4.1.1.3 A.1.1	FOS	The DIF shall provide the capability to transfer return link real-time Path Service EDOS Data Units (EDUs) to the EOC.[EDOS generates EDUs by concatenating an EDOS service header (ESH) with each applicable return link path service data unit (SDU)].	EOSD00 10	operation al	FOS	ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality.	
			EOSD16 05	interface	FOS/CS MS	ECS elements shall receive from EDOS telemetry data, including housekeeping, engineering, ancillary, and science data from EOS instruments and spacecraft.	

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			ICC- 4020	functiona 1	FOS	The ICC shall provide the capability to accept CCSDS packets from EDOS containing at a minimum the following data types:a.Spacecraft and instrument housekeeping datab.Instrument engineering data or instrument science data within which instrument engineering data is embeddedc.Instrument memory dump data
			EOC- 5010	functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data
			EOSD00 15	operation al	FOS/SD PS	ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the EDOS/Ecom/Nasco m interface, as backup of the SN, to obtain forward and return link data communications.
EDOS- 4.1.1.4 A.1.2	FOS	The DIF shall provide the capability to transfer Command Link Control Word EDUs to the EOC.	EOSD00 10	operation al		ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality.
			EOC- 4130	functiona l	FOS	The EOC shall provide the capability to receive and evaluate command transmission status information from EDOS.

			EOSD00 15	operation al	FOS/SD PS	ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the EDOS/Ecom/Nasco m interface, as backup of the SN, to obtain forward and return link data communications.
EDOS- 4.1.1.5 A.1.3	FOS	The DIF shall provide the capability to receive forward link real-time CLTUs from the EOC.	EOSD00 10	operation al	FOS	ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality.
			EOSD00 15	operation al	FOS/SD PS	ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the EDOS/Ecom/Nasco m interface, as backup of the SN, to obtain forward and return link data communications.
			EOC- 4005	functiona 1	FOS	The EOC shall be capable of transmitting commands to the EOS spacecraft via EDOS using the:a.SNb.GN, DSN, WOTS (for contingency or emergency operations)
			EOC- 4130	functiona 1		The EOC shall provide the capability to receive and evaluate command transmission status information from EDOS.
EDOS- 4.1.1.6 <u>A.1.4</u>	FOS	The DIF shall provide the capability to transfer Customer Operations Data Accounting (CODA) reports as specified in Applicable Document 1.	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.

			ICC- 4095	functiona 1		The ICC shall provide the capability to receive and process, non- telemetry data, which includes at a minimum the following:a.Monitor blocks from the DSN, GN, and WOTSb.Status messages from EDOS
			EOC- 5030	functiona 1	FOS	The EOC shall provide the capability to receive and process, non-telemetry data, which includes at a minimum the following:a.Message s from the NCCb.Monitor blocks from the DSN, GN, and WOTSc.Status messages from EDOS
EDOS- 4.1.1.7 A.1.5	FOS	The DIF shall provide the capability to transfer TDRSS Service Session (TSS) Summary Reports as specified in Applicable Document 1 to the EOC following the completion of each TSS.	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
			ICC- 4095	functiona 1	FOS	The ICC shall provide the capability to receive and process, non- telemetry data, which includes at a minimum the following:a.Monitor blocks from the DSN, GN, and WOTSb.Status messages from EDOS
			EOC- 5030	functiona 1	FOS	The EOC shall provide the capability to receive and process, non- telemetry data, which includes at a minimum the following:a.Message s from the NCCb.Monitor blocks from the DSN, GN, and WOTSc.Status messages from EDOS

EDOS- 4.1.1.8 A.1.6	FOS	The DIF shall provide the capability to transfer QDS Delivery Records as specified in Applicable Document 1 to the EOC following the delivery of each QDS.	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
			ICC- 4095	functiona 1	FOS	The ICC shall provide the capability to receive and process, non- telemetry data, which includes at a minimum the following:a.Monitor blocks from the DSN, GN, and WOTSb.Status messages from EDOS
			EOC- 5030	functiona I		The EOC shall provide the capability to receive and process, non- telemetry data, which includes at a minimum the following:a.Message s from the NCCb.Monitor blocks from the DSN, GN, and WOTSc.Status messages from EDOS
EDOS- 4.1.1.9 A.1.7	FOS	The DIF shall provide the capability to transfer Service Request Dispositions to the EOC, as specified in Applicable Document 1.	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
			EOC- 8020	functiona 1	FOS	The EOC shall participate in the scheduling of interface and end-to-end tests with the external elements involved, including the ICCs, the spacecraft simulator(s), the SMC for other EOS elements, and EDOS for MO&DSD data delivery systems.

	 	 			· · · · · · · · · · · · · · · · · · ·
		ICC-	functiona	FOS	The ICC shall
		6010	1		participate in the
					scheduling of
					interface and end-to-
					end tests with the
					external elements
					involved including
					the EOC, the SMC
					for other EOS
					elements, and
					EDOS for
					MO&DSD data
					delivery systems.
-		ICC-	functiona	FOS	The ICC shall
				FUS	
		4095	1		provide the
					capability to receive
					and process, non-
					telemetry data,
					which includes at a
					minimum the
					following:a.Monitor
					blocks from the
					DSN, GN, and
					WOTSb.Status
					messages from
					EDOS
		ICC-	functiona	FOS	The ICC shall
		0055	1		interface with EDOS
					for coordinating
					EDOS-provided
					services (e.g., data
					delivery service
					messages, status).
		EOC-	functiona	FOS	The EOC shall
		5030	1	1.00	provide the
		3030	•		capability to receive
					and process, non-
					telemetry data,
					which includes at a
					minimum the
					following:a.Message
					s from the
					NCCb.Monitor
					blocks from the
					DSN, GN, and
					WOTSc.Status
					messages from
					EDOS
	<u> </u>	EOC-	functiona	FOS	The EOC shall be
		4005	1		capable of
					transmitting
					commands to the
					EOS spacecraft via
					EDOS using
					the:a.SNb.GN,
					DSN, WOTS (for
					contingency or
					emergency
					operations)
					operations)

EDOS- 4.1.2.1 4.1.3	SDPS	The DIF shall interface with the Langley Research Center (LaRC) DAAC to transfer rate buffered data, Operations Management Data, Mission Test Data Sets, and Operations Management Test Data Sets.	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
			SDPS01 15		SDPS	The SDPS shall accept notification of the possible future availability of out-of-sequence data by the EDOS and shall schedule processing accordingly.

EDOS- 4.1.2.10 B.1.8	FOS CSMS	The DIF shall conform to GOSIP and Internet protocol standards as specified in Applicable Documents 2, 3, 4, 5, and 6 for communications services to provide receipt for the following data types:a.status datab.Service Requests.	Applicabl e Docume nts:2.U.S . Dept. of Commer ce/Nation al Bureau of Standard s FIPS Publicati ons 146-1, GOSIP, 3 April 19913.R FC 791, Internet Protocol: DARPA Internet Program Protocol Specificat ion, Septemb er 19814.Int ernet Control Message Protocol, RFC 792, Septemb	ESN- 1340	functiona 1	CSMS	The ESN shall provide support for TCP/IP communications protocols and services to external interfaces as required by the IRDs.	
			Transfer Protocol, RFC, 959, October 19856.U ser Datagra m Protocol, RFC 768, August 1980					
EDOS- 4.1.2.2 4.1.4	SDPS	The DIF shall interface with the Langley Research Center (LaRC) DAAC to receive Operations Management Data, Mission Test Data Sets, and Operations Management Test Data Sets.	1900	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	

				DADS20 20	functiona 1	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOSb.IPsc.ADC sd.ODCsc.Other DADSf.TRMM (SDPF)
				DADS20	functiona	SDPS	Each DADS shall
				60	l	SDIS	communicate with the EDOS to indicate its readiness to accept data.
				DADS14 50	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.
				SDPS01 10		SDPS	The SDPS shall be responsible for coordination of the transfer of production and quick-look science and engineering data from EDOS, SDPF, and the IPs.
EDOS- 4.1.2.3 B.1.1	SDPS	The DIF shall provide the capability to transfer PDS Delivery Records as specified in Applicable Document 1 to the LaRC DAAC following the delivery of each PDS.	Applicable Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.

EDOS- 4.1.2.4 B.1.2	SDPS	The DIF shall provide the capability to transfer QDS Delivery Records as specified in Applicable Document 1 to the LaRC DAAC following the delivery of each QDS.	e Docume nts:1.GS FC/MO &DSD, 560-EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	
EDOS- 4.1.2.5 B.1.3	SDPS	The DIF shall provide the capability to transfer ADS Delivery Records as specified in Applicable Document 1 to the LaRC DAAC following the delivery of each ADS.	e Docume nts:1.GS FC/MO &DSD, 560-EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	
EDOS- 4.1.2.6 B.1.4	SDPS	The DIF shall provide the capability to transfer Service Request Dispositions to the LaRC DAAC, as specified in Applicable Document 1.	Applicable Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	
			1//2	SDPS01 40		SDPS	The SDPS shall be responsible for coordination of the transfer of production and quick-look science and engineering data from EDOS, SDPF, and the IPs.	

EDOS-	SDPS	The DIF shall	Applicabl	ESN-	functiona	CSMS	The ESN shall	
4.1.2.7	CSMS	conform to GOSIP	е	1340	1	CDIVID	provide support for	
B.1.5	CBIND	and Internet protocol	Docume	1310	•		TCP/IP	
		standards as	nts:2.U.S				communications	
		specified in	. Dept. of				protocols and	
		Applicable	Commer				services to external	
		Documents 2, 3, 4,	ce/Nation				interfaces as required	
		5, and 6 for	al Bureau				by the IRDs.	
		communications	of					
		services to provide	Standard					
		guaranteed delivery	s FIPS					
		for the following data types: a.PDS	Publicati ons 146-					
		delivery records	1,					
		b.QDS delivery	GOSIP,					
		records c.ADS	3 April					
		delivery records	19913.R					
		d.Service Request	FC 791,					
		Dispositions	Internet					
			Protocol:					
			DARPA					
			Internet					
			Program					
			Protocol					
			Specificat ion,					
			Septemb					
			er					
			19814.Int					
			ernet					
			Control					
			Message					
			Protocol,					
			RFC					
			792,					
			Septemb er					
			19815.Fil					
			e					
			Transfer					
			Protocol,					
			RFC,					
			959,					
			October					
			19856.U					
			ser					
			Datagra m					
			m Protocol,					
			RFC					
			768,					
			August					
			1980					

EDOS-	SDPS	The DIF shall	Annlicabl	EOSD16	interface	FOS/CS	The ECS elements
4.1.2.8		provide the	e	00	meriace	MS	that interface with
B.1.6		capability to receive	Docume	00		""	EDOS elements
<u> </u>		status data from the	nts:1.GS				shall exchange
		LaRC DAAC as	FC/MO				element level status
		specified in	&DSD.				data with EDOS.
		Applicable	560-				data with EB ob.
		Document 1,	EDOS				
		including but not	0230.000				
		limited to the	1, EDOS				
		following:a.Verificat	Data				
		ion of QDSs	Format				
		deliveredb.Verificati	Require				
		on of PDSs	ments				
		deliveredc.Verificati	Docume				
		on of ADSs	nt,				
		delivered	Decembe				
			r 18,				
			1992				
EDOS-	SDPS	The DIF shall	Applicabl	SDPS01		SDPS	The SDPS shall be
4.1.2.9		provide the	e	10			responsible for
<u>B.1.7</u>		capability to receive	Docume				coordination of the
		Service Requests	nts:1.GS				transfer-of
		from the LaRC	FC/MO				production and
		DAAC as specified	&DSD,				quick-look science
		in Applicable	560-				and engineering data
		Document 1.	EDOS				from EDOS, SDPF,
			0230.000				and the IPs.
			1, EDOS				
			Data				
			Format				
			Require				
			ments				
			Docume				
			nt,				
			Decembe				
			r 18, 1992				
	<u> </u>		1772	DADS20	functiona	SDPS	Each DADS shall
				60	1	DDID	communicate with
					•		the EDOS to
							indicate its readiness
							to-accept-data.
				DADS14	functiona	SDPS	Each DADS shall be
				50	1		capable of screening
							its archive holdings
							of Level 1A or Level
							0 data, and if a
							product(s) is found
							to be lost or
							unreadable, generate
							a request for a
							replacement product
							from EDOS,
							dispatch the request,
							and ingest the
EDOS	GD DC	THE DIE 1 II		EOGE 1	• • •	F02/22	replacement product.
EDOS-	SDPS	The DIF shall		EOSD16	interface	FOS/CS	The ECS elements
4.1.3.1		interface with the		00		MS	that interface with
4.1.5		GSFC DAAC to					EDOS elements
		transfer rate buffered					shall exchange
		data, Operations					element level status
		Management Data,					data with EDOS.
		Mission Test Data					
		Sets, and Operations					
		Management Test					
	<u></u>	Data Sets.	l	<u> </u>		L	<u> </u>

				,				
				SDPS01		SDPS	The SDPS shall	
				15			accept notification of the possible future	
							availability of out-of-	
							sequence data by the	
							EDOS and shall	
							schedule processing	
EDOS-	SDPS	The DIF shall	Applicabl	ESN-	functiona	CSMS	accordingly. The ESN shall	
4.1.3.10	CSMS	conform to GOSIP	e	1340	1	CSIVIS	provide support for	
<u>C.1.8</u>		and Internet protocol	Docume				TCP/IP	
		standards as	nts:2.U.S				communications	
		specified in	. Dept. of Commer				protocols and services to external	
		Applicable Documents 2, 3, 4,	ce/Nation				interfaces as required	
		5, and 6 for	al Bureau				by the IRDs.	
		communications	of					
		services to provide	Standard					
		receipt for the following data	s FIPS Publicati					
		types:a.status	ons 146-					
		datab.Service	1,					
		Requests.	GOSIP,					
			3 April 19913.R					
			FC 791,					
			Internet					
			Protocol:					
			DARPA Internet					
			Program					
			Protocol					
			Specificat					
			ion, Septemb					
			er					
			19814.Int					
			ernet Control					
			Message					
			Protocol,					
			RFC					
			792, Septemb					
			er					
			19815.Fil					
			e					
			Transfer Protocol,					
			RFC,					
			959,					
			October					
			19856.U ser					
			Datagra					
			m					
			Protocol,					
			RFC 768,					
			August					
			1980					
EDOS- 4.1.3.2	SDPS	The DIF shall interface with the		EOSD16	ınterface	FOS/CS MS	The ECS elements that interface with	
4.1.3.2		GSFC DAAC to		00		1419	EDOS elements	
		receive Operations					shall exchange	
		Management Data,					element level status	
		Mission Test Data Sets, and Operations					data with EDOS.	
		Management Test						
		Data Sets.						

				DADS14 50	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.
				DADS20	functiona	SDPS	Each DADS-shall
				60 60	l	энгэ	communicate with the EDOS to indicate its readiness to accept data.
				DADS20 20	functiona 1	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOSb.IPsc.ADC sd.ODCse.Other DADSf.TRMM (SDPF)
				SDPS01 10		SĐPS	The SDPS shall be responsible for coordination of the transfer of production and quick-look science and engineering data from EDOS, SDPF, and the IPs.
EDOS- 4.1.3.3 C.1.1	SDPS	The DIF shall provide the capability to transfer PDS Delivery Records as specified in Applicable Document 1 to the GSFC DAAC following the delivery of each PDS.	Applicable Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.

EDOS- 4.1.3.4 C.1.2	SDPS	The DIF shall provide the capability to transfer QDS Delivery Records as specified in Applicable Document 1 to the GSFC DAAC following the delivery of each QDS.	e Docume nts:1.GS FC/MO &DSD, 560-EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	
EDOS- 4.1.3.5 C.1.3	SDPS	The DIF shall provide the capability to transfer ADS Delivery Records to the GSFC DAAC as specified in Applicable Document 1 to the GSFC DAAC following the delivery of each ADS.	e Docume nts:1.GS FC/MO &DSD, 560-EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	
EDOS- 4.1.3.6 C.1.4	SDPS	The DIF shall provide the capability to transfer Service Request Dispositions as specified in Applicable Document 1 to the GSFC DAAC.	Applicabl e Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	
			1//2	SDPS01 40		SDPS	The SDPS shall be responsible for coordination of the transfer of production and quick-look science and engineering data from EDOS, SDPF, and the IPs.	

EDOS-	SDPS	The DIF shall	Applicabl	ECM	functions	CSMS	The ESN shall	
					functiona	CSMS		
4.1.3.7	CSMS	conform to GOSIP	e	1340	1		provide support for	
<u>C.1.5</u>		and Internet protocol	Docume				TCP/IP	
		standards as	nts:2.U.S				communications	
		specified in	. Dept. of				protocols and	
		Applicable	Commer				services to external	
		Documents $2, 3, 4,$	ce/Nation				interfaces as required	
		5, and 6 for	al Bureau				by the IRDs.	
		communications	of					
		services to provide	Standard					
		guaranteed delivery	s FIPS					
		for the following	Publicati					
		data types:a.PDS	ons 146-					
		delivery	1,					
		recordsb.QDS	GOSIP,					
		delivery	3 April					
		recordsc.ADS	19913.R					
		delivery	FC 791,					
		recordsd.Service	Internet					
		Request	Protocol:					
		Dispositions	DARPA					
			Internet					
			Program					
			Protocol					
1			Specificat					
			ion,					
			Septemb					
			er					
			19814.Int					
			ernet					
			Control					
			Message					
			Protocol,					
			RFC					
			792,					
			Septemb					
			er					
			19815.Fil					
			e					
			Transfer					
			Protocol,					
			RFC,					
			959,					
			October					
			19856.U					
			ser					
			Datagra					
			m					
			Protocol,					
			RFC					
			768,					
			August					
			1980					
EDOS-	SDPS	The DIF shall		EOSD16	interface	FOS/CS	The ECS elements	
4.1.3.8		provide the		00		MS	that interface with	
<u>C.1.6</u>		capability to receive					EDOS elements	
		status data from the					shall exchange	
		GSFC DAAC					element level status	
		including but not					data with EDOS.	
		limited to the						
		following:a.Verificat						
		ion of QDSs						
		deliveredb.Verificati						
		on of PDSs						
		deliveredc.Verificati						
		on of ADSs						
		delivered						

EDOS- 4.1.3.9 C.1.7	SDPS	The DIF shall provide the capability to receive Service Requests from the GSFC DAAC as specified in Applicable Document 1.	Applicabl e Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	SDPS01 10		SDPS	The SDPS shall be responsible for coordination of the transfer of production and quick-look science and engineering data from EDOS, SDPF, and the IPs.
			1992	DADS14 50	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product. Each DADS shall
				60	l	SDIS	communicate with the EDOS to indicate its readiness to accept data.
EDOS- 4.1.7.1 4.1.13	SDPS	The DIF shall interface with the Eros Data Center (EDC) DAAC to transfer Operations Management Data, Mission Test Data Sets., and Operations Management Test Data Sets.		EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
				SDPS01 15		SDPS	The SDPS shall accept notification of the possible future availability of out-of-sequence data by the EDOS and shall schedule processing accordingly.

EDOS- 4.1.7.10	SDPS CSMS	The DIF shall conform to GOSIP	Applicabl e	ESN- 1340	functiona 1	CSMS	The ESN shall provide support for	
<u>G.1.7</u>		and Internet protocol standards as	Docume nts:2.U.S				TCP/IP communications	
		specified in Applicable	. Dept. of Commer				protocols and services to external	
		Documents 2, 3, 4, 5, and 6 for	ce/Nation al Bureau				interfaces as required by the IRDs.	
		communications services to provide	of Standard					
		receipt for the following data	s FIPS Publicati					
		types:a.status datab.Service	ons 146-					
		Requests.	GOSIP, 3 April					
			19913.R FC 791,					
			Internet					
			Protocol: DARPA					
			Internet Program					
			Protocol Specificat					
			ion, Septemb					
			er 19814.Int					
			ernet Control					
			Message Protocol,					
			RFC 792,					
			Septemb er					
			19815.Fil e					
			Transfer Protocol,					
			RFC, 959,					
			October 19856.U					
			ser Datagra					
			m Protocol,					
			RFC 768,					
			August 1980					
EDOS- 4.1.7.2	SDPS	The DIF shall interface with the		EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with	
4.1.14		EDC DAAC to receive Operations					EDOS elements shall exchange	
		Management Data, and Operations					element level status data with EDOS.	
		Management Test Data Sets.						
				SDPS01 10		SDPS	The SDPS shall be responsible for	
							coordination of the transfer of	
							production-and quick-look-science	
							and engineering data from EDOS, SDPF,	
							and the IPs.	

	1	1		DADGGG	C/*	CDDC	Esst DADC stall
				DADS20 20	functiona 1	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOSb.IPse.ADC sd.ODCse.Other DADSf.TRMM (SDPF)
				DADS20 60	functiona 1	SDPS	Each DADS shall communicate with the EDOS to indicate its readiness to accept data.
				DADS14 50	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.
EDOS- 4.1.7.3 G.1.1	SDPS	The DIF shall provide the capability to transfer PDS Delivery Records as specified in Applicable Document 1 to the EDC DAAC following the delivery of each PDS.	Applicabl e Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Require ments Docume nt, Decembe r 18, 1992	00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
EDOS- 4.1.7.5 G.1.2	SDPS	The DIF shall provide the capability to transfer ADS Delivery Records as specified in Applicable Document 1 to the EDC DAAC following the delivery of each ADS.	Applicable e Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.

EDOS- 4.1.7.6 G.1.3	SDPS	The DIF shall provide the capability to transfer Service Request Dispositions as specified in Applicable Document 1 to the EDC DAAC.	Applicable e Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
				SDPS01 10		SDPS	The SDPS shall be responsible for coordination of the transfer of production and quick-look science and engineering data from EDOS, SDPF, and the IPs.

EDOS- 4.1.7.7 CSMS The DIF shall conform to GOSIP and Internet protocol standards as specified in Applicable Documents 2, 3, 4, 5, and 6 for communications services to provide guaranteed delivery for the following data types:a.PDS delivery recordsd. g.Service Applicable Applicable Standard services to by the IRDs. Applicable Documents 2, 3, 4, 5, and 6 for communications services to provide guaranteed delivery for the following data types:a.PDS delivery recordsd. g.Service Applicable CSMS The ESN shall provide support for TCP/IP communications protocols and services to external interfaces as required by the IRDs. Applicable Docume nts:2.U.S Dept. of Commer ce/Nation al Bureau of Standard services to provide guaranteed delivery for the following data types:a.PDS delivery recordsd. g.Service Applicable ESN-1340 Applicable Docume nts:2.U.S Dept. of Commer ce/Nation al Bureau of Standard services to external interfaces as required by the IRDs.	
standards as specified in . Dept. of Applicable Commer Documents 2, 3, 4, 5, and 6 for communications services to provide guaranteed delivery for the following data types:a.PDS delivery recordsb.QDS delivery 1, ADS delivery 19913.R	
specified in Applicable Documents 2, 3, 4, 5, and 6 for communications services to provide guaranteed delivery for the following data types:a.PDS delivery and an applicable ADS delivery specified in Commer Commer ce/Nation al Bureau of Standard services to external interfaces as required by the IRDs. specified in Commer ce/Nation services to external interfaces as required by the IRDs. specified in Commer ce/Nation services to external interfaces as required by the IRDs. specified in Specif	
Applicable Documents 2, 3, 4, 5, and 6 for communications services to provide guaranteed delivery for the following data types:a.PDS delivery recordsb.QDS delivery ADS delivery ADS delivery Commer ce/Nation al Bureau of Standard s FIPS Publicati ons 146- delivery for the following delivery recordse. b. ADS delivery Services to external interfaces as required by the IRDs.	
5, and 6 for communications services to provide guaranteed delivery for the following data types:a.PDS delivery recordsb.QDS delivery 1, ADS delivery 19913.R	
communications services to provide guaranteed delivery for the following data types:a.PDS delivery recordsb.QDS delivery 1, ADS delivery 19913.R	
services to provide guaranteed delivery for the following data types:a.PDS delivery recordse. b. ADS delivery 19913.R	
guaranteed delivery for the following data types:a.PDS delivery recordsb.QDS delivery ADS delivery guaranteed delivery publicati ons 146- li, GOSIP, delivery recordse. b. ADS delivery 19913.R	
data types:a.PDS ons 146- delivery 1, recordsb.QDS GOSIP, delivery recordse. b. 3 April ADS delivery 19913.R	
delivery 1, GOSIP, delivery recordse. b. ADS delivery 19913.R	
recordsb.QDS GOSIP, delivery recordse. b. 3 April ADS delivery 19913.R	
ADS delivery 19913.R	
Request Internet	
Dispositions Protocol:	
DARPA Internet	
Program	
Protocol	
Specificat ion,	
Septemb	
er er	
19814.Int ernet	
Control	
Message	
Protocol,	
RFC 792,	
er 10017 Fil	
19815.Fil	
Transfer Transfer	
Protocol,	
RFC, 959,	
October	
19856.U	
ser Datagra	
Datagra m	
Protocol,	
RFC 768,	
August August	
1980	
EDOS- SDPS The DIF shall EOSD16 interface FOS/CS The ECS elements that interface with	
G.1.5 capability to receive EDOS elements	
status data <u>as</u> shall exchange	
specified in Applicable element level status data with EDOS.	
Document 1 from	
the EDC DAAC	
including but not	
limited to the following:a.Verificat	
ion of PDSs	
deliveredb.Verificati	
on of ADSs deliverede. Verificati	
on of QDSs	
delivered	

EDOS- 4.1.7.9 G.1.6	SDPS	The DIF shall provide the capability to receive Service Requests from the EDC DAAC as specified in Applicable Document 1.	Applicable e Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	10		SDPS	The SDPS-shall be responsible for coordination of the transfer of production and quick-look-science and engineering data from EDOS, SDPF, and the IPs.
				DADS14 50	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.
				DADS20 60	functiona 1	SDPS	Each DADS shall communicate with the EDOS to indicate its readiness to accept data.
EDOS- 4.1.8.1 4.1.15	CSMS	The DIF shall interface with the SMC to transfer rate buffered data, Operations Management Data, and Operations Management Test Data Sets.		EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
EDOS- 4.1.8.10 H.1.9	CSMS	The DIF shall provide the capability to receive Service Requests from the SMC as specified in Applicable Document 1.	Applicable Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOSD16 00	interface	FOS/CS MS	The ECS-elements that interface with EDOS elements shall exchange element level status data-with EDOS.

				SMC- 1340	functiona 1	CSMS CSMS	The SMC shall generate scheduling directives for system level, site-to-site, and element-to-element integration, testing, and simulation activities. The SMC shall
				1350	1		generate scheduling directives for system level, site-to-site, and element-to-element maintenance activities.
EDOS- 4.1.8.11 H.1.10	CSMS	The DIF shall conform to GOSIP and Internet protocol standards as specified in Applicable Documents 2, 3, 4, 5, and 6 for communications services to provide receipt of Service Requests.	Applicable e Docume nts:2.U.S Dept. of Commer ce/Nation al Bureau of Standard s FIPS Publicati ons 146-1, GOSIP, 3 April 19913.R FC 791, Internet Protocol: DARPA Internet Program Protocol Specificat ion, Septemb er 19814.Int ernet Control Message Protocol, RFC 792, Septemb er 19815.Fil e Transfer Protocol, RFC, 959, October 19856.U ser Datagra m Protocol, RFC 768, August 1980	1340	functiona 1	CSMS	The ESN shall provide support for TCP/IP communications protocols and services to external interfaces as required by the IRDs.

EDOS- 4.1.8.2 H.1.1	CSMS	The DIF shall provide the capability to transfer PDS Delivery Records as specified in Applicable Document 1 to the SMC following the delivery of a PDS to any EGS element.	Applicabl e Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
				SMC- 1330	functiona 1	CSMS	The SMC shall support and maintain the information for end-to-end data ingest, processing, reprocessing, archive, and data distribution for each product, including, at a minimum:a.Product informationb.Product t generation informationc.Product t delivery information
EDOS- 4.1.8.3 H.1.2	CSMS	The DIF shall provide the capability to transfer QDS Delivery Records as specified in Applicable Document 1 to the SMC following the delivery of a QDS to any EGS element.	Applicable Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
				SMC- 1330	functiona 1	CSMS	The SMC shall support and maintain the information for end-to-end data ingest, processing, reprocessing, archive, and data distribution for each product, including, at a minimum:a.Product informationb.Product t generation informationc.Product t delivery information

EDOS- 4.1.8.4 H.1.3	CSMS	The DIF shall provide the capability to transfer ADS Delivery Records as specified in Applicable Document 1 to the SMC following the delivery of an ADS to any EGS element.	Applicable e Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	
				SMC- 1330	functiona 1	CSMS	The SMC shall support and maintain the information for end-to-end data ingest, processing, reprocessing, archive, and data distribution for each product, including, at a minimum:a.Product informationb.Product generation informationc.Product delivery information	
EDOS- 4.1.8.5 H.1.4	CSMS	The DIF shall provide the capability to transfer Service Request Dispositions as specified in Applicable Document 1 to the SMC.	Applicable c Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	
				SMC- 1340	functiona l	CSMS	The SMC shall generate scheduling directives for system level, site-to-site, and element-to-element integration, testing, and simulation activities.	
				SMC- 1350	functiona l	CSMS	The SMC shall generate scheduling directives for system level, site-to-site, and element-to-element maintenance activities.	

EDOS- 4.1.8.6 H.1.5	CSMS	The DIF shall provide the capability to transfer EDOS Activity Plans (EAPs) as specified in Applicable Document 1 to the SMC.	Applicabl e Docume nts:1.GS FC/MO &DSD, 560- EDOS 0230.000 1, EDOS Data Format Require ments Docume nt, Decembe r 18, 1992	EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
				DADS20 20	functiona 1	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOSb.IPsc.ADC sd.ODCse.Other DADSf.TRMM (SDPF)
				SMC- 1340	functiona 1	CSMS	The SMC shall generate scheduling directives for system level, site-to-site, and element-to-element integration, testing, and simulation activities.
				SMC- 1350	functiona 1	CSMS	The SMC shall generate scheduling directives for system level, site-to-site, and element-to-element maintenance activities.
EDOS- 4.1.8.7 H.1.6	CSMS	The DIF shall provide the capability to transfer EDOS Operations Timelines (EOTs) as specified in Applicable Document 1 to the SMC.		EOSD16 00	interface	FOS/CS MS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.
				DADS20 20	functiona 1	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOSb.IPsc.ADC sd.ODCse.Other DADSf.TRMM (SDPF)
				SMC- 1350	functiona 1	CSMS	The SMC shall generate scheduling directives for system level, site-to-site, and element-to-element maintenance activities.

			SDPS01		SDPS	The SDPS shall
1			15			accept notification of
						the possible future
1						availability of out-of-
						sequence data by the
						EDOS-and-shall
						schedule processing
						accordingly.
			SMC-	functiona	CSMS	The SMC shall
			1340	1		generate scheduling
						directives for system
						level, site-to-site, and
						element-to-element
						integration, testing,
						and simulation
						activities.
EDOS-	CSMS	The DIF shall	EOSD16	interface	FOS/CS	The ECS elements
	CSMS			пистасе		
4.1.8.8		provide the	90		MS	that interface with
<u>H.1.7</u>		capability to transfer				EDOS elements
		EOT Change				shall exchange
		Notifications to the				element level status
		SMC.				data with EDOS.
			SDPS01		SDPS	The SDPS shall
			45			accept notification of
						the possible future
						availability of out-of-
						sequence data by the
						EDOS and shall
						schedule processing
			a) ta		00140	accordingly.
			SMC-	functiona	CSMS	The SMC shall
			1350	4		generate scheduling
						directives for system
						level, site-to-site, and
						element-to-element
						maintenance
						activities.
			SMC-	functiona	CSMS	The SMC shall
			1340	1		generate scheduling
			15-10	*		directives for system
						level, site-to-site, and
						element-to-element
						integration, testing,
						and simulation
						activities.
				functiona	SDPS	Each DADS shall
			20	1		have the capability to
						receive data
						availability schedules
						at a minimum, from:
						a.EDOSb.IPsc.ADC
						sd.ODCse.Other
						DADSf.TRMM
1						(SDPF)
1	ı	ı	ı	i .	ı	L (NDPP)

EDOS-	CSMS	The DIF shall	Applicabl	ESN-	functiona	CSMS	The ESN shall
4.1.8.9	Contro	conform to GOSIP	e Applicabl	1340	1	CONID	provide support for
H.1.8		and Internet protocol	Docume	1310	•		TCP/IP
1		standards as	nts:2.U.S				communications
		specified in	. Dept. of				protocols and
		Applicable	Commer				services to external
		Documents 2, 3, 4,	ce/Nation				interfaces as required
		5, and 6 for	al Bureau				by the IRDs.
		communications	of				
		services to provide	Standard				
		guaranteed delivery	s FIPS				
		for the following	Publicati				
		data types:a.PDS	ons 146-				
		delivery	1,				
		recordsb.QDS	GOSIP,				
		delivery	3 April				
		recordsc.ADS	19913.R				
		delivery	FC 791,				
		recordsd.Service	Internet				
		Request Dispositionse.EAPs	Protocol: DARPA				
		f.EOTsg.EOT	Internet				
		Change Notifications	Program				
		Change Notifications	Protocol				
			Specificat				
			ion,				
			Septemb				
			er				
			19814.Int				
			ernet				
			Control				
			Message				
			Protocol,				
			RFC				
			792,				
			Septemb				
			er 19815.Fil				
			19613.FII				
			Transfer				
			Protocol,				
			RFC,				
			959,				
			October				
			19856.U				
			ser				
			Datagra				
			m				
			Protocol,				
			RFC				
			768,				
			August 1980				

EDOS-	SDPS+	Performance	Applicabl	DADS27	performa	SDPS	Each DADS shall be
4.2	CSMS	requirements	е	80	nce	6146	capable of ingesting
'+.∠	COMP	specifying the rates	e Docume	90	nec		data at the maximum
		for transfer and	nts:2.U.S				output bandwidth of
		receipt of Mission	. Dept. of				the EDOS.
		Data for the EDOS	Commer				tile EDOS.
		DIF to each EGS	ce/Nation				
		element can be	al Bureau				
		found in the	of				
		EDOS/Ecom Traffic	Standard				
		Model, Reference	s FIPS				
		Document 10.	Publicati				
		Document 10.	ons 146-				
			1,				
			GOSIP,				
			3 April				
			19913.R				
			FC 791,				
			Internet				
			Protocol:				
1			DARPA				
1			Internet				
			Program				
1			Protocol				
			Specificat				
			ion,				
			Septemb				
			er				
			19814.Int				
			ernet				
			Control				
			Message				
			Protocol,				
			RFC				
			792,				
			Septemb				
			er				
			19815.Fil				
			e				
			Transfer				
			Protocol,				
			RFC,				
1			959,				
			October				
1			19856.U				
			Ser				
			Datagra				
			m Protocol				
1			Protocol, RFC				
1			768,				
1			August				
			1980				
EDOS-	FOS	The DIF-EOC	1700	EOC-	functiona	FOS	The EOC shall be
4.2.1.1	CSMS	interface shall		5230	1	1 00	able to receive and
A.2.1	251715	provide the		2230	•		record spacecraft
11.2.1		capability to support					recorder data at rates
		the transfer of real-					up to 1.544 Mbps.
		time return link					ap to 1.0 i i iiopo.
		EDUs to the EOC at					
		a rate of up to 1.1					
		Mbps.					
		T					ļ.

	·						
EDOS-	<u>FOS</u>	The DIF-EOC	<u>none</u>				
<u>A.2.2</u>		interface shall					
		provide the					
		capability to support					
		the transfer of					
		<u>Operations</u>					
		Management data to					
		the EOC at a rate of					
		up to 50 kbps.					
A.2.3	FOS	The DIF-EOC	EOC-				
		interface shall	4200				
			1200				
		provide the					
		capability to support					
		the receipt of					
		forward link real-					
		time CLTUs from					
		the EOC at a rate of					
		35 kbps for a single					
		channel.					
EDOS-	FOS	The DIF shall					
	1.00						
<u>A.2.4</u>		provide the					
		capability to ijnitiate					
		the transfer of a TSS					
		Summary Report to					
1		the EOC within 90					
1							
		seconds of					
		completion of the					
		TSS.					
EDOS-	FOS	The DIF shall					
	105	provide the					
<u>A.2.5</u>							
		capability to initiate					
		transfer of a QDS					
		delivery record to the					
		EOC within 120					
		seconds of delivery					
		of the QDS.					
EDOS-	SDPS	The DIF-LaRC	DADS27	performa	SDPS	Each DADS shall be	
4.2.2.1	CSMS	DAAC interface	80	nce		capable of ingesting	
B.2.1	051.15	shall provide the		1100		data at the maximum	
D.2.1							
		capability to support				output bandwidth of	
1		the transfer of				the EDOS.	
		Operations					
		Management data to					
1		the LaRC DAAC at					
		a rate of up to 50					
		Kbps.					
EDOS-	SDPS	The DIF shall					
B.2.2	1	provide the					
		capability to initiate					
		capability to initiate					
1		transfer of a PDS					
		Delivery Record to					
		the LaRC DAAC					
		within 120 seconds					
		of delivery of the					
	ļ	PDS.					
EDOS-	SDPS	The DIF shall	<u>none</u>				
B.2.3		provide the					
1		capability to initiate					
		transfer of a QDS					
		Delivery Record to					
		the LaRC DAAC					
		within 120 seconds					
1		of delivery of the					
1		QDS.					
1		<u>VDS.</u>					

			 			,	
EDOS-	SDPS	The DIF shall					
B.2.4		provide the					
I		capability to initiate					
		transfer of a ADS					
		Delivery Record to					
		Delivery Record to					
		the LaRC DAAC					
		within 120 seconds					
		of delivery of the					
		ADS.					
EDOS-	SDPS	The DIF-GSFC	DADS27	performa	SDPS	Each DADS shall be	
4.2.3.1	CSMS	DAAC interface	80	nce		capable of ingesting	
C.2.1	CSIVIS	shall provide the	00	nec		data at the maximum	
C.2.1		capability to support				output bandwidth of	
		the transfer of				the EDOS.	
		Operations					
		Management data to					
		the GSFC DAAC at					
		a rate of up to 50					
		Kbps.					
EDOS-	SDPS	The DIF shall					
<u>C.2.2</u>	2013	provide the					
<u>C.2.2</u>							
		capability to initiate					
		transfer of a PDS					
		Delivery Record to					
		the GSFC DAAC					
		within 120 seconds					
		of delivery of the					
		PDS.					
EDOS-	SDPS	The DIF shall	none				
C.2.3	BDIB	provide the	none				
<u>C.2.3</u>		capability to initiate					
		capability to illitate					
		transfer of a QDS					
		Delivery Record to					
		the GSFC DAAC					
		within 120 seconds					
		of delivery of the					
		QDS.					
EDOS-	SDPS	The DIF shall					
<u>C.2.4</u>		provide the					
<u> </u>		capability to initiate					
		transfer of a ADS					
		Delivery Record to					
		the GSFC DAAC					
		within 120 seconds					
		of delivery of the					
		ADS.					
EDOS-	SDPS	The DIF-EDC	DADS27	performa	SDPS	Each DADS shall be	
4.2.7.1	CSMS	DAAC interface	80	nce		capable of ingesting	
G.2.1		shall provide the				data at the maximum	
		capability to support				output bandwidth of	
		the transfer of				the EDOS.	
		Operations				and LDOS.	
		Management data to					
		the EDC DAAC at a					
		rate of up to 50					
		Kbps.					
EDOS-	<u>SDPS</u>	The DIF shall					
<u>G.2.2</u>		provide the					
		capability to initiate					
		transfer of a PDS					
		Delivery Record to					
		the EDC DAAC					
		within 120 seconds					
		of delivery of the					
		PDS.					
	l	1 DO.					

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EDOS-	<u>SDPS</u>	The DIF shall		1			
G.2.3		provide the					
0.2.0		capability to initiate					
		transfer of a ADS					
		Delivery Record to					
		the EDC DAAC					
		within 120 seconds					
		of delivery of the					
		ADS.					
EDOS-	CSMS	The DIF-SMC					
H.2.1		interface shall					
11.2.1							
		provide the					
		capability to support					
		the transfer of					
		Operations					
		Management data to					
		ivialiagement data to					
		the SMC at a rate of					
		up to 50 kbps.					
EDOS-	CSMS	The DIF shall					
H.2.2		provide the		1			
*****	1	capability to initiate		1			
1				1			
1	1	transfer of a PDS		1			
1	1	Delivery Record to		1			
1	1	the SMC within 120		1			
1	1	seconds of delivery		1			
1		of the PDS.		1			
EDGG	00150				ļ		
EDOS-	CSMS	The DIF shall		<u>none</u>			
<u>H.2.3</u>		provide the		1			
		capability to initiate					
		transfer of a QDS					
		Daliyamy Basand to					
		Delivery Record to					
		the SMC within 120					
		seconds of delivery					
		of the QDS.					
EDOS-	CSMS	The DIF shall		none			
H.2.4	CDIVID	provide the		1 HOHE			
$\Pi.2.4$							
		capability to initiate					
		transfer of an ADS					
		Delivery Record to					
		the SMC within 120					
		seconds of delivery					
		of the ADS.					
EDOS-	<u>CSMS</u>	The DIF shall					
H.2.5		provide the					
	1		l				
1							
1		capability to initiate					
		capability to initiate transfer of an EAP					
		capability to initiate transfer of an EAP to the SMC within					
		capability to initiate transfer of an EAP to the SMC within 10 minutes of the					
		capability to initiate transfer of an EAP to the SMC within					
		capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP					
EDOS	CSMS	capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation.					
EDOS-	<u>CSMS</u>	capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall					
EDOS- H.2.6	CSMS	capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the					
	CSMS	capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate					
	<u>CSMS</u>	capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT					
	<u>CSMS</u>	capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT					
	<u>CSMS</u>	capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within					
	CSMS	capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the					
	CSMS	capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT					
H.2.6		capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation.					
H.2.6	CSMS CSMS	capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation. The DIF shall					
H.2.6		capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation.					
H.2.6		capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation. The DIF shall provide the					
H.2.6		capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation. The DIF shall provide the capability to initiate					
H.2.6		capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation. The DIF shall provide the capability to initiate transfer of an EOT generation.					
H.2.6		capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation.					
H.2.6		capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation.					
H.2.6		capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation.					
H.2.6		capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation. The DIF shall provide the capability to initiate transfer of an EOT Change Notification to the SMC within 30 seconds of receipt					
H.2.6		capability to initiate transfer of an EAP to the SMC within 10 minutes of the initiation of EAP generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation. The DIF shall provide the capability to initiate transfer of an EOT to the SMC within 10 minutes of the initiation of EOT generation.					

EDOS-	FOS	The EOC shall			
<u>A.3.1</u>	105	provide the			
A.J.1		capability to initiate			
		transfer of the			
		Verification of			
		QDSs delivered			
		status message to the			
		DIF within 60			
		minutes following			
		the delivery of all			
		QDSs for each TSS.			
EDOS-	FOS	The EOC shall			
A.3.2	105	provide the			
A.J.2		capability to initiate			
		transfer of the			
		Verification of TSS			
		Summary Reports			
		delivered status			
		message to the DIF			
		within 10 minutes			
I		following the			
1		delivery of the TSS			
1		summary reports for			
1		each TSS.			
EDOS-	SDPS	The LaRC DAAC			
B.3.1	פוספ	shall provide the			
D.3.1		capability to initiate			
		transfer of the			
		<u>Verification of</u>			
		QDSs delivered			
		status message to the			
		DIF within 60			
		minutes following			
		the delivery of all			
		QDSs for each TSS.			
EDOS-	SDPS	The LaRC DAAC			
B.3.2		shall provide the			
<u> </u>		capability to initiate			
		transfer of the			
		Verification of PDSs			
		delivered status			
		message to the DIF			
		within 8 hours			
		following the			
		delivery of all PDSs			
		for a 24 hour period.			
EDOS-	<u>SDPS</u>	The LaRC DAAC			
B.3.3		shall provide the			
1		capability to initiate			
		transfer of the			
1		Verification of			
		ADSs delivered			
1		status message to the			
I		DIF within 8 hours			
		following the			
1		delivery of all ADSs			
I					
EDOS	CDDC	for a 24 hour period.			
EDOS-	<u>SDPS</u>	The GSFC DAAC	<u>none</u>		
<u>C.3.1</u>		shall provide the			
1		capability to initiate			
		transfer of the			
1		<u>Verification of</u>			
1		QDSs delivered			
		status message to the			
		DIF within 60			
		minutes following			
		the delivery of all			
		QDSs for each TSS.			
	<u> </u>	2255 TOT CACH 155.		 	

EDOG	appa	THE COPE OF LAC					
EDOS-	<u>SDPS</u>	The GSFC DAAC					
<u>C.3.2</u>		shall provide the					
		capability to initiate					
		transfer of the					
		Verification of PDSs					
		delivered status					
		message to the DIF					
		within 8 hours					
		following the					
		delivery of all PDSs					
		for a 24 hour period.					
EDOS-	SDPS	The GSFC DAAC					
	3013						
<u>C.3.3</u>		shall provide the					
		capability to initiate					
		transfer of the					
		Verification of					
		ADSs delivered					
		status message to the					
		DIF within 8 hours					
		following the					
		10110WING LILADS					
I		delivery of all ADSs					
		for a 24 hour period.					
EDOS-	<u>SDPS</u>	The EDC DAAC					
<u>G.3.1</u>		shall provide the					
		capability to initiate					
1		transfer of the					
		Verification of PDSs					
		delivered status					
		message to the DIF					
		within 8 hours					
		following the					
		delivery of all PDSs					
		for a 24 hour period.					
EDOS-	SDPS	The EDC DAAC					
G.3.2		shall provide the					
		capability to initiate					
		transfer of the					
		Verification of					
		ADSs delivered					
		status message to the					
		DIF within 8 hours					
		following the					
		delivery of all ADSs					
		for a 24 hour period.					
EDOS-	FOS	The DPF shall	EOSD00	operation	FOS	ECS shall use and	
4.4.1.1		interface with the	10	al		support the Space	
4.2.1		EOC to transfer	10	u		Network (SN), via	
4.2.1							
I		QDSs and Mission				the EDOS/Ecom	
1		Test Data Sets.				interface, to obtain	
						the forward and	
						return link data	
1						communications	
1						needed to achieve	
I						full end-to-end ECS	
1						functionality.	
			ICC-	functiona	FOS	The ICC shall accept	
1			4412	l	105	quick-look data sets	
I			11 12	1			
			EOGBOO		EOU/GE	from EDOS.	
I			EOSD00	operation	FOS/SD	ECS shall use and	
I			20	al	PS/CSM	support the	
I					S	EDOS/Ecom	
1						interface to obtain	
I						the data capture, data	
1						archival, and data	
I						distribution services	
						needed to achieve	
I						full end-to-end ECS	
I						functionality.	
						runcuonanty.	

EDOG	Fog	TEL DEEL H	r	FOGRAG		F0.0	Trace 1 11
EDOS-	FOS	The DPF shall		EOSD00	operation	FOS	ECS shall use and
4.4.1.2		provide the		10	al		support the Space
<u>A.4.1</u>		capability to transfer					Network (SN), via
		any QDSs to the					the EDOS/Ecom
		EÓC.					interface, to obtain
							the forward and
							return link data
							communications
							needed to achieve
							full end-to-end ECS
							functionality.
				ICC-	functiona	FOS	The ICC shall accept
				4412	1		quick-look data sets
							from EDOS.
EDOS-	FOS	The DPF shall	Applicabl	ESN-	functiona	CSMS	The ESN shall
4.4.1.3	CSMS	conform to GOSIP		1340		CSMS	
	CSMS		e	1340	1		provide support for
<u>A.4.2</u>		and Internet protocol	Docume				TCP/IP
		standards for file	nts:2.U.S				communications
		transfer as specified	. Dept. of				protocols and
1		in Applicable	Commer				services to external
1		Documents-2,3,4,5,	ce/Nation				interfaces as required
1		and 6 to provide	al Bureau				by the IRDs.
		quaranteed data	of				- ,
		delivery for QDSs.	Standard				
1		delivery for QDSS.	s FIPS				
1			Publicati				
1			ons 146-				
1			1,				
			GOSIP,				
1			3 April				
			19913.R				
1			FC 791,				
			Internet				
1							
			Protocol:				
			DARPA				
			Internet				
			Program				
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			ion,				
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			19814.Int				
1			ernet				
1			Control				
1			Message				
1			Protocol,				
1			RFC				
1			792,				
1			Septemb				
1			er				
1			19815.Fil				
1							
			e T				
			Transfer				
I			Protocol,				
			RFC,				
			959,				
I			October				
			19856.U				
			ser				
I			Datagra				
I			m				
			Protocol,				
			RFC				
I			768,				
			August				
			1980				

EDOS- 4.4.2.1 4.2.2	SDPS	The DPF shall interface with the LaRC DAAC to transfer PDSs, QDSs, Archive Data Sets (ADSs), and Mission Test Data Sets.	EOSD00 10	operation al	FOS	ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality.	
			DADS14 50	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.	
			DADS01 30	functiona 1	SDPS	Each DADS shall receive from the EDOS and SDPF, at a minimum, the following:a.Producti on data (L0)b.Quick- look data	
			SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quicklook data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
			EOSD16 05	interface	FOS/CS MS	ECS elements shall receive from EDOS telemetry data, including housekeeping, engineering, ancillary, and science data from EOS instruments and spacecraft.	
			EOSD00 20	operation al	FOS/SD PS/CSM S	ECS shall use and support the EDOS/Ecom interface to obtain the data capture, data archival, and data distribution services needed to achieve full end-to-end ECS functionality.	

EDOS-	SDPS	The DPF shall	DADS23	functiona	SDPS	DADS shall fulfill	
4.4.2.2		interface with the	07	1		requests for L0 data	
4.2.7		LaRC DAAC to receive DEDSs on				from EDOS with L0 or L1A data, as	
		removable physical				available.	
		media.					
EDOS- 4.4.2.3	SDPS	The DPF shall provide the	EOSD00 10	operation al	FOS	ECS shall use and	
B.4.1		capability to transfer	10	aı		support the Space Network (SN), via	
		any QDSs to the				the EDOS/Ecom	
		LaRC DAAC.				interface, to obtain	
						the forward and return link data	
						communications	
						needed to achieve	
						full end-to-end ECS functionality.	
			EOSD00	operation	FOS/SD	ECS shall use and	
			20	al	PS/CSM	support the	
					S	EDOS/Ecom interface to obtain	
						the data capture, data	
						archival, and data	
						distribution services	
						needed to achieve full end-to-end ECS	
						functionality.	
			 EOSD16	interface	FOS/CS	ECS elements shall	
			05		MS	receive from EDOS telemetry data,	
						including	
						housekeeping,	
						engineering, ancillary, and science	
						data from EOS	
						instruments and	
			DADS01	functiona	SDPS	spacecraft. Each DADS shall	
			30	1	5015	receive from the	
						EDOS and SDPF, at	
						a minimum, the following:a.Producti	
						on data (L0)b.Quick-	
						look data	
			SDPS00		SDPS	The SDPS shall	Deleted 604
			20			receive EOS science, engineering,	L2 trace. DV
						ancillary, and quick-	
						look data from the	
						EDOS, the SDPF, and the IPs, and	
						non-EOS data, in	
						situ data, algorithms,	
						documentation, correlative data, and	
						ancillary data (as	
						listed in Appendix	
						C) from ADCs, EPDSs, and ODCs.	
EDOS-	SDPS	The DPF shall	EOSD00	operation	FOS	ECS shall use and	
4.4.2.4		provide the	10	al		support the Space	
<u>B.4.2</u>		capability to transfer any PDSs to the				Network (SN), via the EDOS/Ecom	
		LaRC DAAC.				interface, to obtain	
						the forward and	
						return link data communications	
						needed to achieve	
						full end-to-end ECS	
						functionality.	

			DADS01	functiona	SDPS	Each DADS shall	
			30	l	נישני	receive from the EDOS and SDPF, at a minimum, the following:a.Producti on data (L0)b.Quick-look data	
			EOSD00 20	operation al	PS/CSM S	ECS shall use and support the EDOS/Ecom interface to obtain the data capture, data archival, and data distribution services needed to achieve full end-to-end ECS functionality.	
			SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quicklook data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
			EOSD16 05	interface	FOS/CS MS	ECS elements shall receive from EDOS telemetry data, including housekeeping, engineering, ancillary, and science data from EOS instruments and spacecraft.	
EDOS- A.5.1	FOS	The DPF-EOC interface shall provide the capability to support the transfer of QDSs to the EOC at a rate of up to 22 Mbps.					
EDOS- B.5.1	FOS	The DPF-LaRC DAAC interface shall provide the capability to support the transfer of QDSs to the LaRC DAAC at a rate of up to 22 Mbps.	DADS27 80				
EDOS- B.5.2	FOS	The DPF-LaRC DAAC interface shall provide the capability to support the transfer of PDSs to the LaRC DAAC at a rate of up to 22 Mbps.	DADS27 80				

EDOS- 4.4.2.5 B.4.3	SDPS	The DPF shall provide the capability to copy PDSs to removable physical media for backup to electronic delivery.	EOSD00 10 EOSD00 20	operation al operation al	FOS/SD PS/CSM S	ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality. ECS shall use and support the EDOS/Ecom interface to obtain the data capture, data archival, and data distribution services	
						needed to achieve full end-to-end ECS functionality.	
			SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quicklook data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
			DADS01 30	functiona 1	SDPS	Each DADS shall receive from the EDOS and SDPF, at a minimum, the following:a.Producti on data (L0)b.Quick- look data	
			EOSD16 05	interface	FOS/CS MS	ECS elements shall receive from EDOS telemetry data, including housekeeping, engineering, ancillary, and science data from EOS instruments and spacecraft.	
EDOS- 4.4.2.6 B.4.4	SDPS	The DPF shall provide the capability to transfer ADSs to the LaRC DAAC.	DADS14 50	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.	

EDOS-	SDPS	The DPF shall	DADS14	functiona	SDPS	Each DADS shall be
4.4.2.7		provide the	50	1		capable of screening
B.4.5		capability to copy				its archive holdings
		ADSs to removable				of Level 1A or Level
		physical media for				0 data, and if a
		backup to electronic				product(s) is found
		delivery.				to be lost or
		-				unreadable, generate
						a request for a
						replacement product
1						from EDOS,
						dispatch the request,
						and ingest the
						replacement product.
EDOS-	SDPS	The DPF shall	DADS23	functiona	SDPS	DADS shall fulfill
4.4.2.8		provide the	07	1		requests for L0 data
B.4.6		capability to receive				from EDOS with L0
		DEDs from the				or L1A data, as
1		LaRC DAAC on				available.
		removable physical				
		media.				

EDOS- 4.4.2.9 B.4.7	SDPS CSMS	The DPF shall conform to GOSIP and Internet protocol standards for file transfer as specified in Applicable Documents 2, 3, 4, 5, and 6 to provide guaranteed data delivery for the following data: a.PDSsb.QDSs c.ADSs	Applicabl e Docume nts:2.U.S . Dept. of Commer ce/Nation al Bureau of Standard s FIPS Publicati ons 146- 1, GOSIP, 3 April 19913.R FC 791, Internet Protocol: DARPA Internet Program Protocol Specificat ion, Septemb er 19814.Int ernet Control Message Protocol, RFC 792, Septemb er 19815.Fil e Transfer Protocol, RFC, 959.	ESN- 1340	functiona 1	CSMS	The ESN shall provide support for TCP/IP communications protocols and services to external interfaces as required by the IRDs.	
			Transfer Protocol,					
EDOS- 4.4.3.1 4.2.3	SDPS	The DPF shall interface with the GSFC DAAC to transfer PDSs, QDSs, ADSs, and Mission Test Data Sets.		EOSD00 10	operation al	FOS	ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality.	

			,				
			DADS14 50	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.	
			DADS01 30	functiona 1	SDPS	Each DADS shall receive from the EDOS and SDPF, at a minimum, the following:a.Producti on data (L0)b.Quick- look data	
			SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quicklook data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
			EOSD16 05	interface	FOS/CS MS	ECS elements shall receive from EDOS telemetry data, including housekeeping, engineering, ancillary, and science data from EOS instruments and spacecraft.	
			EOSD00 20	operation al	FOS/SD PS/CSM S	ECS shall use and support the EDOS/Ecom interface to obtain the data capture, data archival, and data distribution services needed to achieve full end-to-end ECS functionality.	
EDOS- 4.4.3.2 4.2.8	SDPS	The DPF shall interface with the GSFC DAAC to receive DEDSs on removable physical media.	DADS23 07	functiona 1	SDPS	DADS shall fulfill requests for L0 data from EDOS with L0 or L1A data, as available.	

EDOS- 4.4.3.3 C.4.1	SDPS	The DPF shall provide the capability to transfer any QDSs to the GSFC DAAC.	EOSD00 10	operation al		ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality.	
			EOSD00 20	operation al	FOS/SD PS/CSM S	ECS shall use and support the EDOS/Ecom interface to obtain the data capture, data archival, and data distribution services needed to achieve full end-to-end ECS functionality.	
			EOSD16 05	interface	FOS/CS MS	ECS elements shall receive from EDOS telemetry data, including housekeeping, engineering, ancillary, and science data from EOS instruments and spacecraft.	
			SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
			30	functiona 1	SDPS	Each DADS shall receive from the EDOS and SDPF, at a minimum, the following:a.Producti on data (L0)b.Quick- look data	
EDOS- 4.4.3.4 C.4.2	SDPS	The DPF shall provide the capability to transfer any PDSsto the GSFC DAAC.	EOSD00 10	operation al	FOS	ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality.	

			EOSD00 20	operation al	FOS/SD PS/CSM S	ECS shall use and support the EDOS/Ecom interface to obtain the data capture, data archival, and data distribution services needed to achieve full end-to-end ECS	
			GD DG00		CDDC	functionality.	D 1 : 1 (04
			SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quicklook data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
			DADS01 30	functiona l	SDPS	Each DADS shall receive from the EDOS and SDPF, at a minimum, the following:a.Producti on data (L0)b.Quick- look data	
			EOSD16 05	interface	FOS/CS MS	ECS elements shall receive from EDOS telemetry data, including housekeeping, engineering, ancillary, and science data from EOS instruments and spacecraft.	
EDOS- 4.4.3.5 C.4.3	SDPS	The DPF shall provide the capability to copy PDSs to removable physical media for backup to electronic delivery.	EOSD00 10	operation al	FOS	ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality.	
			EOSD00 20	operation al	FOS/SD PS/CSM S	ECS shall use and support the EDOS/Ecom interface to obtain the data capture, data archival, and data distribution services needed to achieve full end-to-end ECS functionality.	
			DADS01 30	functiona 1	SDPS	Each DADS shall receive from the EDOS and SDPF, at a minimum, the following:a.Producti on data (L0)b.Quick- look data	

			EOSD16 05	interface	FOS/CS MS	ECS elements shall receive from EDOS telemetry data, including housekeeping, engineering, ancillary, and science data from EOS instruments and spacecraft.
EDOS- 4.4.3.6 C.4.4	SDPS	The DPF shall provide the capability to transfer ADSs to the GSFC DAAC.	DADS14 50	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.
EDOS- G.5.1	FOS	The DPF-EDC DAAC interface shall provide the capability to support the transfer of PDSs to the EDC DAAC at a rate of up to 22 Mbps.				
EDOS- 4.4.3.7 C.4.5	SDPS	The DPF shall provide the capability to copy ADSs to removable physical media for backup to electronic delivery.	DADS14 50	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.
EDOS- 4.4.3.8 C.4.6	SDPS	The DPF shall provide the capability to receive DEDSs from the GSFC DAAC on removable physical media.	DADS23 07	functiona 1	SDPS	DADS shall fulfill requests for L0 data from EDOS with L0 or L1A data, as available.

EDOS- 4.4.3.9 C.4.7	SDPS CSMS	The DPF shall conform to GOSIP and Internet protocol standards for file transfer as specified in Applicable Documents 2, 3, 4, 5, and 6 to provide guaranteed data delivery for the following data types:a.PDSsb.QDS sc.ADSs	Applicabl e Docume nts:2.U.S . Dept. of Commer ce/Nation al Bureau of Standard s FIPS Publicati ons 146- 1, GOSIP, 3 April 19913.R FC 791, Internet Protocol: DARPA Internet Program Protocol Specificat ion, Septemb er 19814.Int ernet Control Message Protocol, RFC 792, Septemb er 19815.Fil e Transfer Protocol, RFC, 959, October 19856.U	ESN- 1340	functiona 1	CSMS	The ESN shall provide support for TCP/IP communications protocols and services to external interfaces as required by the IRDs.	
			October					
EDOS- 4.4.6.1 4.2.6	SDPS	The DPF shall interface with the EDC DAAC to transfer PDSs, QDSs, ADSs, and Mission Test Data Sets.	1750	EOSD00 10	operation al	FOS	ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality.	

		,				
		50 DADS01	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product. Each DADS shall	
		30	1		receive from the EDOS and SDPF, at a minimum, the following:a.Producti on data (L0)b.Quick- look data	
		SDPS00 20	in the Control of the	SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quicklook data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
		EOSD16 05	interface	FOS/CS MS	ECS elements shall receive from EDOS telemetry data, including housekeeping, engineering, ancillary, and science data from EOS instruments and spacecraft.	
		EOSD00 20	operation al	FOS/SD PS/CSM S	ECS shall use and support the EDOS/Ecom interface to obtain the data capture, data archival, and data distribution services needed to achieve full end-to-end ECS functionality.	
EDOS- 4.4.6.2 4.2.10	The DPF shall interface with the EDC DAAC to receive DEDSs on removable physical media.	DADS23 07	functiona 1	SDPS	DADS shall fulfill requests for L0 data from EDOS with L0 or L1A data, as available.	

EDOS-	SDPS	The DPF shall	EOSD00	operation	FOS	ECS shall use and	
	SDES			operation	ros		
4.4.6.3		provide the	10	al		support the Space	
<u>G.4.1</u>		capability to transfer				Network (SN), via	
		any-PDSs to the				the EDOS/Ecom	
		EDC DAAC.				interface, to obtain	
						the forward and	
						return link data	
						communications	
						needed to achieve	
						full end-to-end ECS	
						functionality.	
			DADS01	functiona	SDPS	Each DADS shall	
			30	1	SDIS	receive from the	
			30	1		EDOS and SDPF, at	
						a minimum, the	
						following:a.Producti	
						on data (L0)b.Quick-	
						look data	
			SDPS00		SDPS	The SDPS shall	Deleted 604
			20			receive EOS science,	L2 trace. DV
						engineering,	
1						ancillary, and quick-	
						look data from the	
1						EDOS, the SDPF,	
						and the IPs, and	
						non-EOS data, in	
						situ data, algorithms,	
						documentation,	
						correlative data, and	
						ancillary data (as	
						listed in Appendix	
						C) from ADCs,	
-			EOSD16	:	FOS/CS	EPDSs, and ODCs. ECS elements shall	
			05 05	interface	MS FOS/CS		
			03		MS	receive from EDOS	
						telemetry data,	
						including	
						housekeeping,	
						engineering,	
						ancillary, and science	
						data from EOS	
						instruments and	
						spacecraft.	
			 EOSD00	operation	FOS/SD	ECS shall use and	
1			20	al	PS/CSM	support the	
1					S	EDOS/Ecom	
1						interface to obtain	
1						the data capture, data	
1						archival, and data	
1						distribution services	
1						needed to achieve	
1						full end-to-end ECS	
EDOS	SDPS	The DPF shall	EOGDOO	oma:4*	FOS	functionality.	
EDOS-	SDES		EOSD00	operation	rus	ECS shall use and	
4.4.6.5		provide the	10	al		support the Space	
<u>G.4.2</u>		capability to copy				Network (SN), via	
		PDSs to removable				the EDOS/Ecom	
1		physical media for				interface, to obtain	
		backup to electronic				the forward and	
		delivery.				return link data	
						communications	
						needed to achieve	
1						full end-to-end ECS	
						functionality.	

			,				
			EOSD16 05		FOS/SD	ECS elements shall receive from EDOS telemetry data, including housekeeping, engineering, ancillary, and science data from EOS instruments and spacecraft. ECS shall use and	
			EOSD00 20	operation al	PS/CSM S	support the EDOS/Ecom interface to obtain the data capture, data archival, and data distribution services needed to achieve full end-to-end ECS functionality.	
			DADS01 30	functiona 1	SDPS	Each DADS shall receive from the EDOS and SDPF, at a minimum, the following:a.Producti on data (L0)b.Quick- look data	
			SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quicklook data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
EDOS- 4.4.6.6 G.4.3	SDPS	The DPF shall provide the capability to transfer ADSs to the EDC DAAC.	DADS14 50	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.	
EDOS- 4.4.6.7 <u>G.4.4</u>	SDPS	The DPF shall provide the capability to copy ADSs to removable physical media for backup to electronic delivery.	DADS14 50	functiona 1	SDPS	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.	

EDOS- 4.4.6.8 G.4.5	SDPS	The DPF shall provide the capability to receive DEDS from the EDC DAAC on removable physical media.	DADS23 07	functiona I	SDPS	DADS shall fulfill requests for L0 data from EDOS with L0 or L1A data, as available.	
EDOS- C.5.1	<u>FOS</u>	The DPF-GSFC DAAC interface	DADS27 80				
		shall provide the capability to support					
		the transfer of QDSs to the GSFC DAAC					
		at a rate of 22 Mbps.					
EDOS-	<u>FOS</u>	The DPF-GSFC	DADS27				
<u>C.5.2</u>		DAAC interface shall provide the	<u>80</u>				
		capability to support					
		the transfer of PDSs					
		to the GSFC DAAC at a rate of 22 Mbps.					

EDOS-	SDPS	The DPF shall	Applicabl	ESN-	functiona	CSMS	The ESN shall	
4.4.6.9	CSMS	conform to GOSIP	е	1340	1	CSMS	provide support for	
G.4.6	CDIVID	and Internet protocol	Docume	1340	1		TCP/IP	
3		standards for file	nts:2.U.S				communications	
		transfer as specified	. Dept. of				protocols and	
		in Applicable	Commer				services to external	
		Documents 2, 3, 4,	ce/Nation				interfaces as required	
		5, and 6 to provide	al Bureau				by the IRDs.	
		guaranteed data	of					
		delivery for the	Standard					
		following data	s FIPS					
		types:a.PDSsb.QDS se. <u>b.</u> ADSs	Publicati ons 146-					
		Se. <u>D.</u> ADSS	1,					
			GOSIP,					
			3 April					
			19913.R					
			FC 791,					
			Internet					
			Protocol:					
			DARPA					
			Internet					
			Program					
			Protocol Specificat					
			ion,					
			Septemb					
			er					
			19814.Int					
			ernet					
			Control					
			Message					
			Protocol,					
			RFC					
			792, Septemb					
			er					
			19815.Fil					
			e					
			Transfer					
			Protocol,					
			RFC,					
			959,					
			October					
			19856.U					
			ser Datagra					
			m					
			Protocol,					
			RFC					
			768,					
			August					
1			1980					

EDOS-4.5	SDPS+ CSMS	Performance requirements specifying the rates for transfer of Mission Data from the EDOS DPF to each EGS element can be found in the EDOS/Ecom Traffic Model, Reference Document 10.	e Docume nts:2.U.S . Dept. of Commer ce/Nation al Bureau	EOSD00	performance	SDPS	Each DADS shall be capable of ingesting data at the maximum output bandwidth of the EDOS.	
EDOS- A.1.13	FOS	The DIF shall provide the capability to transfer return link rate buffered Path Service EDUs to the EOC		EOSD00 10	operation al	<u>FOS</u>	ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality.	

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		EOSD16	<u>interface</u>	FOS/CS	ECS elements shall
		<u>05</u>		<u>MS</u>	receive from EDOS
					telemetry data,
					including
					housekeeping,
					engineering,
					ancillary, and science
					data from EOS
					instruments and
					spacecraft.
		<u>ICC-</u>	<u>functiona</u>	<u>FOS</u>	The ICC shall
		<u>4020</u>	<u>1</u>		provide the
					capability to accept
					CCSDS packets
					from EDOS
					containing at a
					minimum the
					following data
					types:a.Spacecraft
					and instrument
					housekeeping
					<u>datab.Instrument</u>
					engineering data or
					instrument science
					data within which
					instrument
					engineering data is
					embeddedc.Instrume
					nt memory dump
		ļ			<u>data</u>
		EOC-	functiona	FOS	The EOC shall
		EOC- 5010	functiona 1	FOS	
			functiona <u>l</u>	FOS	The EOC shall receive from EDOS
			functiona <u>l</u>	FOS	The EOC shall receive from EDOS the following
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real-
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument housekeeping data
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument housekeeping data including instrument
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument housekeeping data including instrument and spacecraft
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb.
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument housekeeping data including instrument and spacecraft
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac.
			functiona 1	FOS	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump
		5010	1		The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real-time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data
		5010 EOSD00	operation	FOS/SD	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real-time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and
		5010	1		The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and support the Deep
		5010 EOSD00	operation	FOS/SD	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and support the Deep Space Network
		5010 EOSD00	operation	FOS/SD	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real-time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and support the Deep Space Network (DSN), the Ground
		5010 EOSD00	operation	FOS/SD	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real-time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and
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		5010 EOSD00	operation	FOS/SD	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real- time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station
		5010 EOSD00	operation	FOS/SD	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real-time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the
		5010 EOSD00	operation	FOS/SD	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real-time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the EDOS/Ecom/Nasco
		5010 EOSD00	operation	FOS/SD	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real-time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the EDOS/Ecom/Nasco minterface, as
		5010 EOSD00	operation	FOS/SD	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real-time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the EDOS/Ecom/Nasco minterface, as backup of the SN, to
		5010 EOSD00	operation	FOS/SD	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real-time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the EDOS/Ecom/Nascom interface, as backup of the SN, to obtain forward and
		5010 EOSD00	operation	FOS/SD	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real-time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the EDOS/Ecom/Nasco minterface, as backup of the SN, to obtain forward and return link data
		5010 EOSD00	operation	FOS/SD	The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing:a.Real-time spacecraft and instrument housekeeping data including instrument and spacecraft housekeepingb. Spacecraft recorder housekeeping datac. SCC memory dump data ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the EDOS/Ecom/Nascom interface, as backup of the SN, to obtain forward and